MEGALITE

N-E Color Pro Strip

USER MANUAL

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Check that the unit has not been damaged during transport

Protection Against Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit to close to a heat source.
5. Make sure cable are properly secured away from unit movement.
6. Maximum surface operating temperature 80°.

Protection Against Fire

1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 5.
3. This unit must be earthed. (electronically grounded)
4. Do not expose unit to rain or moisture.

Protection Against Mechanical Hazards

1. Use safety chain when hanging unit.
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock.

Technical Information

Fixture

4054– N-E Color Pro Strip

Mechanical Specifications

DMX Connectors: 3-pin XLR connectors

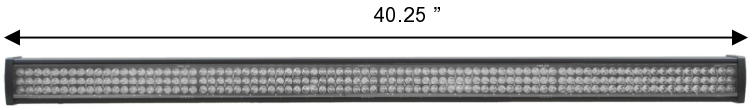
Power Connection: In/Out

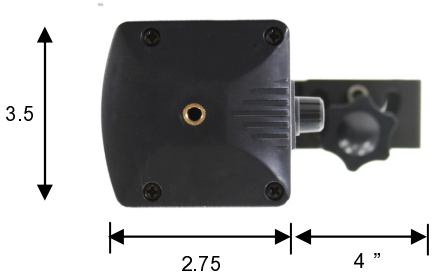
Thermal: Maximum ambient temperature 40° C
Maximum surface temperature 60° C

Fastening System: Center Mounting Yoke (optional end mounts)

Display: Digital

Refresh Rate: 400Hz (flicker free)





Fixture	Packaged for Shipping
Size: 40.25”L x 6.75”W x 3.5”H	Size: 41”L x 4.75”W x 7.25”H
Weight: 10 lbs	Weight: 12 lbs

Electrical Specifications

LED Quantity: 264

Red: 96
Green: 72
Blue: 96

LED Diameter: 10 mm

Segments: 8

LED Lifetime: 60,000 to 100,000 hours

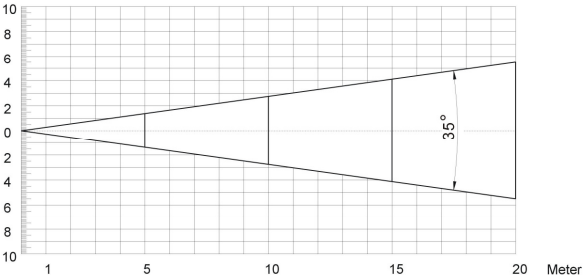
LED Angle: 35° (± 5°)

Power Consumption: 100 - 240V 50/60 Hz

Ballast: Electronic

Watts: 27
Amps: .36

R(108)	281	21	8. 8	4	2. 3	LUX
G(72)	323	35	14	6. 3	3. 1	LUX
B(72)	541	58	20	10	5	LUX
RGB(252)	1115	110	41	20	10	LUX



Distance	1	5	10	15	20	Meter
Beam Diameter	0.75	2.75	5.6	8.9	11.8	Meter

Control & Programming

Protocol: DMX 512

DMX Channels:	Mode P	12 DMX Channels	R,G,B,R,G,B,R,G,B,R,G,B
	Mode A	16 DMX Channels	R,G,B, Dim/Str, R,G,B, Dim/Str, R,G,B, Dim/Str, R,G,B, Dim/Str
	Mode F	6 DMX Channels	Dimmer, R,G,B Strobe, Macros
	Mode H	24 DMX Channels	R,G,B,R,G,B,R,G,B,R,G,B,R,G,B,R,G,B,R,G,B,R,G,B,R,G,B,R,G,B
	Mode L	40 DMX Channels	R,G,B, Dim,Str, R,G,B, Dim,Str, R,G,B, Dim,Str, R,G,B, Dim,Str
			R,G,B, Dim,Str, R,G,B, Dim,Str, R,G,B, Dim,Str, R,G,B, Dim,Str

Control options: Audio-trigger

Operating Mode: Master/Slave, Stand alone

Main Power Connection

Caution!

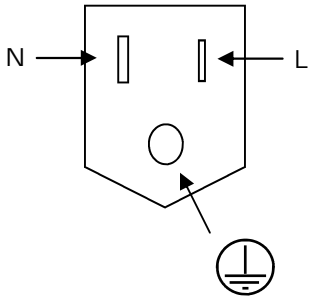
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (electronically grounded)
4. Replace fuse only with the specified type and rating.

The occupation of the connection-cable is as follows:

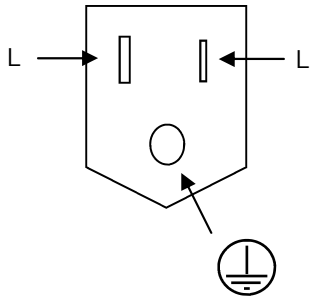
This fixture is equipped with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to 60Hz

Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground	⏚	⏚

110V—Connection



220V—Connection

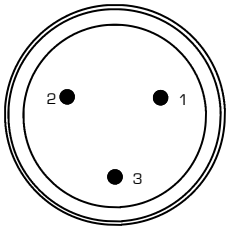


DMX-512 Connection

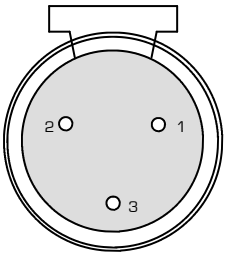
The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input

DMX—output



1. Shield
2. Signal (-)
3. Signal (+)



Caution!

At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm resistor between the (-) and the (+) signal into a 3 pin XLR plug and plug it in to the last fixture on the signal run. Pre-manufactured terminator plugs are available for purchase from your Mega-Lite dealer (HOS-DMXT).

N-E Color Pro Strip Mode A (16 Channel)

DMX Chanel	Function	Description	Value
1	LED Color	RED LED intensity	0-255
2	LED Color	Green LED intensity	0-255
3	LED Color	Blue LED intensity	0-255
4	Dimmer	Dimmer Segment 1	0-255
5	LED Color	RED LED intensity	0-255
6	LED Color	Green LED intensity	0-255
7	LED Color	Blue LED intensity	0-255
8	Dimmer	Dimmer Segment 2	0-255
9	LED Color	RED LED intensity	0-255
10	LED Color	Green LED intensity	0-255
11	LED Color	Blue LED intensity	0-255
12	Dimmer	Dimmer Segment 3	0-255
13	LED Color	RED LED intensity	0-255
14	LED Color	Green LED intensity	0-255
15	LED Color	Blue LED intensity	0-255
16	Dimmer	Dimmer Segment 4	0-255

N-E Color Pro Strip Mode P (12 Channel)

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity Segment 1	0-255
2	LED Color	Green LED Intensity Segment 1	0-255
3	LED Color	Blue LED Intensity Segment 1	0-255
4	LED Color	Red LED intensity Segment 1	0-255
5	LED Color	Green LED Intensity Segment 1	0-255
6	LED Color	Blue LED Intensity Segment 1	0-255
7	LED Color	Red LED intensity Segment 1	0-255
8	LED Color	Green LED Intensity Segment 1	0-255
9	LED Color	Blue LED Intensity Segment 1	0-255
10	LED Color	Red LED intensity Segment 1	0-255
11	LED Color	Green LED Intensity Segment 1	0-255
12	LED Color	Blue LED Intensity Segment 1	0-255

N-E Color Pro Strip Mode F (6 Channel)

DMX Chanel	Function	Description	Value
1	Dimmer	Master Dimmer	0-152
2	LED Color	Red LED intensity	153-242
3	LED Color	Green LED Intensity	243-255
4	LED Color	Blue LED Intensity	0-255
5	Strobe	No Function	0-9
		Strobe (slow to fast)	10-57
		No Function	58-59
		Pulse On to Off (slow to fast)	60-108
		No Function	109-110
		Pulse Off to On (slow to fast)	111-159
		No Function	160-161
		Random Strobe	162-255
6	Macro	No Function	0-9
		Color Fade (slow to fast)	10-50
		Color Fade RGB (slow to fast)	51-91
		Color Fade Chase	92-132
		Color Snap	133-173
		Color Pulse	174-214
		Random Macro	215-255

N-E Color Pro Strip Mode H (24 Channel)

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
""	""	""	""
22	LED Color	Red LED intensity	0-255
23	LED Color	Green LED Intensity	0-255
24	LED Color	Blue LED Intensity	0-255

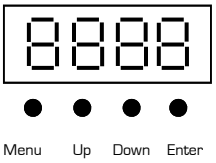
N-E Color Pro Strip Mode L (40 Channel)

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	Strobe	Strobe (slow to fast)	0-152
		Random (slow to fast)	153-255
5	Dimmer	Dimmer	0-255
""	""	""	""
36	LED Color	Red LED intensity	0-255
37	LED Color	Green LED Intensity	0-255
38	LED Color	Blue LED Intensity	0-255
39	Strobe	Strobe (slow to fast)	0-152
		Random (slow to fast)	153-255
40	Dimmer	Dimmer	0-255

Main Control Menu

The control board on the fixture base is your interface to access and control all the functions on the unit. Its digital display gives you a code view of the options and functions. The following will explain each function and its options.

CONTROL BOARD



DMX Address	Red Dimmer	Green Dimmer	Blue Dimmer	Flash	Fade Scroll	Flash Scroll	Chase Effect	Chase Speed	Sound Chase	Sound Flash	Sound Sensor
Addr	rL--	GL--	bL--	FLAS	FAdE	ASC-	CE--	CS--	SouA	SouF	SEnS
1-512	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	Loop	Loop	0-15

A001 DMX Address

Press **Enter** to select the mode of operation.

Use the **up/down** keys to select the required DMX start channel.

A001 Mode **A** (16 Channels) R,G,B, Dim/Str, R,G,B, Dim/Str, R,G,B, Dim/Str, R,G,B, Dim/Str

P001 Mode **P** (12Channels) R,G,B,R,G,B,R,G,B,R,G,B

F001 Mode **F** (6 Channels) Dimmer, R,G,B Strobe, Macros

H001 Mode **H** (24 Channels) R,G,B,R,G,B,R,G,B,R,G,B,R,G,B,R,G,B,R,G,B,R,G,B

L001 Mode **L** (40 Channels) R,G,B, Dim,Str, R,G,B, Dim,Str, R,G,B, Dim,Str, R,G,B, Dim,Str

rL-- Red Dimmer

This function allows you to dim the red LED's on the whole strip. Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

GL-- Green Dimmer

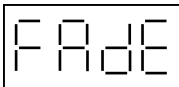
This function allows you to dim the green LED's on the whole strip. Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

bL-- Blue Dimmer

This function allows you to dim the blue LED's on the whole strip. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

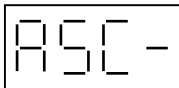
FLAS Flash

This function allows you to strobe the LED's on the whole strip in White color. Press **Enter** use the **up/down** keys to select desired flash settings. Press **Enter** to confirm the settings.



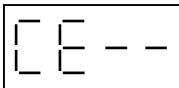
Fade Scroll

This function allows you to fade the LED's on the whole strip from one color to another. Press **Enter** use the **up/down** keys to select desired fade speed settings. Press **Enter** to confirm the settings.



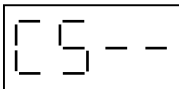
Flash Scroll

This function allows you to change the LED's on the whole strip from one color to another. Press **Enter** use the **up/down** keys to select desired color change speed settings. Press **Enter** to confirm the settings.



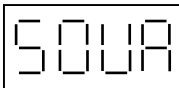
Chase Effect

This function allows you to select different chase patterns on the whole strip. Press **Enter** use the **up/down** keys to select desired chase settings. Press **Enter** to confirm the settings.



Chase Speed

This function allows you to select the speed of the chase that was selected on the Chase function . Press **Enter** use the **up/down** keys to select desired chase speed settings. Press **Enter** to confirm the settings.



Sound Chase

This function allows you to select the chase pattern that will be triggered via audio. Press **Enter** use the **up/down** keys to select desired Chase settings. Press **Enter** to confirm the settings.

Sound Flash

This function allows you to select the flash pattern that will triggered via audio. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

Sound Sensor

This function allows you to select the sensitivity of the audio sensor. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

Rigging the fixture

Caution!
1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injures if you have doubts concerning the safety do not install.
3. Unit is to be 24inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the projector has got to be built in the way that it can hold 10 times the weight for 1 hour with out any harming. Installation should be checked at least one time a year by a skilled person.

Cleaning and maintenance

Installation Maintenance: The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every 2 years.

The following points have to be considered during the inspection:
1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
3) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

Note: There is no serviceable parts inside the device except for the LED's. Maintenance and service operations are to be carried out by authorized dealers.

Replacing the fuse: Only replace the fuse with the same type and rating.

Replacing the power cable: If the power cable of this device becomes damaged, it has to be replaced by authorized dealers or trained professional only.

Should you have further questions , please contact your dealer.

Parts List

9057	6 Unit Road Case
4054-pcb	Main PCB card
4050-nps	Power Supply
4000-dis	Display
4000-fh	Fuse Holder
4050-EC	End Cap
4054-LEDM	LED Module

4050-gc	Plastic Cover
4000-dmx	XLR connection

Warranty Information

Limited Warranty

Unless otherwise stated, your product is covered by a one year parts and labor limited warranty. Dichroic filters and glass gobos are not guaranteed against breakage or scratches to coating. It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and dealer or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.

Returning an Item Under Warranty for Repair

It is necessary to obtain a Return Material Authorization (RMA) number from your dealer or point of purchase BEFORE any units are returned for repair. The manufacturer will make the final determination as to whether or not the unit is covered by warranty. Lamps are covered by the lamp manufacturer's warranty.

Any Product unit or parts returned to MEGA Systems Inc. must be packaged in a suitable manner to ensure the protection of such Product unit or parts, and such package shall be clearly and prominently marked to indicate that the package contains returned Product units or parts and with an RMA number. Accompany all returned Product units or parts with a written explanation of the alleged problem or malfunction. Ship returned Product units or parts to: 5711 Kenwick St. San Antonio TX 78254 USA.

Note: Freight Damage Claims are invalid for fixtures shipped in non-factory boxes and packing materials.

Freight

All shipping will be paid by the purchaser. Items under warranty shall have return shipping paid by the manufacturer only in the Continental United States. Under no circumstances will freight collect shipments be accepted. Prepaid shipping does not include rush expediting such as air freight. Air freight can be sent customer collect in the Continental United States.

REPAIR OR REPLACEMENT AS PROVIDED FOR UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. MEGA SYSTEMS INC. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO ANY PRODUCT, AND MEGA SYSTEMS SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. MEGA SYSTEMS SHALL NOT BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGE, INCLUDING LOST PROFITS, SUSTAINED OR INCURRED IN CONNECTION WITH ANY PRODUCT OR CAUSED BY PRODUCT DEFECTS OR THE PARTIAL OR TOTAL FAILURE OF ANY PRODUCT REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, AND WHETHER OR NOT SUCH DAMAGE WAS FORESEEN OR UNFORESEEN. Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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